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#6

RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/09/729,520

TIME: 12:46:50

Input Set : A:\GC647-SEQLIST.txt

Output Set: N:\CRF3\06032002\I729520.raw

```

4 <110> APPLICANT: Rodriguez, Ana
5 Schellenberger, Volker
6 Wang, Huaming
8 <120> TITLE OF INVENTION: Method for Generating a Library of
9 Mutant Oligonucleotides Using the Linear Cyclic
10 Amplification Reaction
12 <130> FILE REFERENCE: GC647
14 <140> CURRENT APPLICATION NUMBER: US 09/729,520
15 <141> CURRENT FILING DATE: 2000-12-04
17 <160> NUMBER OF SEQ ID NOS: 11
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 33
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: primer
W--> 29 <221> NAME/KEY: misc_feature
30 <222> LOCATION: (1)...(33)
31 <223> OTHER INFORMATION: n = A,T,C or G
W--> 33 <400> 1
W--> 34 taccatgacc atgccnnstc catcaccgcc gag 33
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 36
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: primer
W--> 44 <221> NAME/KEY: misc_feature
45 <222> LOCATION: (1)...(36)
46 <223> OTHER INFORMATION: n = A,T,C or G
W--> 48 <400> 2
W--> 49 catgaccatg ccatgnnsnn saccgccgag aacgcc 36
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 39
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial Sequence
56 <220> FEATURE:
57 <223> OTHER INFORMATION: primer
W--> 59 <221> NAME/KEY: misc_feature
60 <222> LOCATION: (1)...(39)
61 <223> OTHER INFORMATION: n = A,T,C or G
W--> 63 <400> 3

```

RAW SEQUENCE LISTING

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```

W--> 64 caggctgccc gcatgnnsnn snnscatgac catgccatg          39
66 <210> SEQ ID NO: 4
67 <211> LENGTH: 45
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: primer
W--> 74 <221> NAME/KEY: misc_feature
75 <222> LOCATION: (1)...(45)
76 <223> OTHER INFORMATION: n = A,T,C or G
W--> 78 <400> 4
W--> 79 ggagagaaca cctctnnsnn sagcnnsnns ttgcacggct ctttc    45
81 <210> SEQ ID NO: 5
82 <211> LENGTH: 33
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: primer
89 <400> SEQUENCE: 5
90 cagctgagtc ctccctatgc cttgtacgaa gtg          33
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 33
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: primer
100 <400> SEQUENCE: 6
101 gccgagaacg cctacttcgg tcaggctggt gtc          33
103 <210> SEQ ID NO: 7
104 <211> LENGTH: 33
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: primer
111 <400> SEQUENCE: 7
112 ggtcagcctt ggcctatgct caacgtgcag ccg          33
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 33
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: primer
122 <400> SEQUENCE: 8
123 ctcggtgttg agcctcagtt tgataaact gac          33
125 <210> SEQ ID NO: 9
126 <211> LENGTH: 33
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 06/03/2002

PATENT APPLICATION: US/09/729,520

TIME: 12:46:50

Input Set : A:\GC647-SEQLIST.txt

Output Set: N:\CRF3\06032002\I729520.raw

131 <223> OTHER INFORMATION: primer
133 <400> SEQUENCE: 9
134 gagaaccgtc tgctcgccaa tgtgccccgc gac 33
136 <210> SEQ ID NO: 10
137 <211> LENGTH: 33
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: primer
144 <400> SEQUENCE: 10
145 ctggctcgtc gtgagactgt ctatgttgag gcc 33
147 <210> SEQ ID NO: 11
148 <211> LENGTH: 33
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: primer
155 <400> SEQUENCE: 11
156 ctcggagagt tcgaggctgg ctcgggtgac ttc 33

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/03/2002
PATENT APPLICATION: US/09/729,520 TIME: 12:46:51

Input Set : A:\GC647-SEQLIST.txt
Output Set: N:\CRF3\06032002\I729520.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 16,17
Seq#:2; N Pos. 16,17,19,20
Seq#:3; N Pos. 16,17,19,20,22,23
Seq#:4; N Pos. 16,17,19,20,25,26,28,29

VERIFICATION SUMMARY

DATE: 06/03/2002

PATENT APPLICATION: US/09/729,520

TIME: 12:46:51

Input Set : A:\GC647-SEQLIST.txt

Output Set: N:\CRF3\06032002\I729520.raw

L:29 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:33 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:44 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:48 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:59 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:63 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:74 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:78 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0